

## LITTLE COLORADO RIVER BASIN

09385800 LITTLE COLORADO RIVER TRIBUTARY NEAR ST. JOHNS, AZ

LOCATION.--Lat 34°27'04", long 109°15'23", in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>, sec.10, T.12 N., R.29 E., Apache County, Hydrologic Unit 15020002, at county road, 7 mi southeast of St. Johns.

DRAINAGE AREA.--0.35 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1963	08-00-63	48		1970	10-21-69	24	
1964	08-27-64	18		1971	08-00-71	40	
1965	09-04-65	326		1972	12-26-71	61	
1966	08-30-66	16		1973	07-00-73	42	
1967	00-00-67	300		1974	00-00-74	0	
1968	08-00-68	118		1975	07-29-75	29	
1969	07-00-69	165		1976	08-00-76	57	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
52	127	206	348	491	672
Weighted skew	(logs) =	0.13			
Mean	(logs) =	1.73			
Standard dev.	(logs) =	0.46			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
417	0.48	6,350	54.0	1.0	11.1	1.5	2.9

